

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of	:	
LeDuc et al.	:	
	:	
Application No.: 10/553,249	:	Three-Dimensional, Flexible Cell Growth
	:	Substrate and Related Methods
Filing Date: August 7, 2006	:	
	:	
Examiner: Shanta G. Doe	:	
	:	
Art Unit: 1774	:	
	:	
Confirmation No.: 6975	:	

**AMENDMENT**

Pittsburgh, Pennsylvania  
April 14, 2011

**VIA ELECTRONIC MAIL**

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed October 14, 2010 in the above referenced application ("Subject Application"), Applicants submit the following:

**Amendments to the Specification** begin on page 2;  
**A Listing of the Claims** begins on page 4; and,  
**Applicants' Remarks** begin on page 21.